



Parminder Singh

QA Specialist II-Manager

Methodical Quality Assurance Professional with 17 years of overall IT experience, including 10+ years of expertise in QA, specializing in functional, automation, DB and API testing. Proven track record as an Automation Specialist, leveraging tools and technologies such as Selenium with Python, Trecentis Tosca, Postman, and SQL to design scalable and maintainable automation frameworks. Skilled in driving quality through Agile methodologies, implementing end-to-end test strategies, and ensuring seamless integration within CI/CD pipelines. Demonstrates strong leadership in mentoring teams, managing test cycles, and fostering cross-functional collaboration. Passionate about utilizing automation and AI-driven techniques to enhance test efficiency, reduce defects, and deliver high-performing software products. AI and ChatGPT/Copilot prompt engineering expert with hands-on experience in integrating generative AI into QA workflows. Skilled in automating test scenarios, defect analysis, and accelerating validation processes using AI tools.

CONTACT ME

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AREAS OF EXPERTISE

Tools & Technologies

- ❖ Tosca
- ❖ Selenium
- ❖ Python
- ❖ API Testing(Tosca/Postman)

WORK EXPERIENCE

QA Specialist II- Manager

Bank of America • Technology Service Management • 2017 – Present

- **TSM(BMC Remedy):** Led E2E QA efforts for **Change Management** module which included functional, regression, production certification testing to validate workflows including Change Request lifecycle (creation, approval, implementation & closure).
- Automated repetitive regression scenarios using **Tricentis Tosca**, reducing test cycle time by ~30% and improving test coverage by ~40%. Built and maintained automated tests suites with Tosca.
- **Test Planning & Team Leadership:** Owned test planning for every release, defining scope, timelines, and resource needs. Assigned and tracked tasks for junior testers to ensure smooth execution and on-time delivery.
- **In House Test Management Tool (IRIS):** Led the testing efforts for an in-house test management tool, ensuring robust functionality and seamless user experience. Utilized **Python and Selenium** leveraging pytest framework to automate test cases, reducing the testing cycle by ~20% and saving ~35% in manual execution effort.
- Successfully identified and resolved critical issues, enhancing the overall quality and reliability of the tool
- **API & Web Services Testing:** Developed and implemented **REST/SOAP API** tests using **Postman and Tosca API testing module**.

- ❖ Prompt Engineering
- ❖ Git/GitHub
- ❖ JIRA
- ❖ Linux
- ❖ ALM
- ❖ Cloud(AWS)
- ❖ MySQL/Toad for Oracle
- ❖ Moody's Risk Analytics
- ❖ Bloomberg
- ❖ Morning Star

- Automated regression suites to streamline testing and ensure seamless backend integrations, enabling faster execution of critical scenarios.
- **Scrum & Agile Collaboration:** Actively participated in daily stand-ups, sprint planning, backlog grooming, and retrospectives. Coordinated with Scrum Masters and Product Owners to align testing activities with sprint goals and ensure continuous delivery of high-quality software.
- **Agile Leadership & Collaboration:** Served as QA lead in cross-functional Agile teams. Drove sprint planning, backlog grooming, and defect triage. Ensured alignment between business needs and test coverage.

QA Specialist I- Assistant Manager

Bank of America • IBST • 2015 – 2017

- Part of **IBST (Investment & Banking Service Technology)** project, which provides end-to-end testing services across various technology platforms, covering all retail and wealth domains.
- Participate in daily Scrum meetings with business users, business analysts, and the development team to discuss sprint planning, story estimations, and requirements mapping.
- Conducted functional, API testing using **Postman**, and **database testing** using **Toad for Oracle for an application (ICDP)** in the banking domain.
- Engage in defect triaging, assisting with issue resolution, escalating, and tracking bugs throughout the defect lifecycle.

Team Leader

Bank of America • Financial Statement Spreading(FSS) • 2012 – 2015

- Performed financial statement spreading aligned with internal credit policies to assess lending eligibility for small and medium businesses, covering term loans and lines of credit.
- Analyzed financials for covenant compliance and prepared periodic performance commentary as per loan agreements.
- Collaborated on **UAT testing of the MRA (Moody's Risk Analysis)** tool to support accurate credit risk evaluation. Streamlined the financial review process by identifying and eliminating redundant steps, improving efficiency by ~15%.
- Ensured consistency and quality in financial data used for credit decision-making.

AWARDS

Gold Award for successfully migrating In House Test Management Tool replacing third part tool.

Gold Award for critical change MRA Release.

Areas of Interest

- ❖ Playing Soccer.
- ❖ Running.
- ❖ Meditation.
- ❖ Body Weight & Resistance exercises.

Team Developer

Bank of America • US Trust Investment Group • 2009 – 2012

- Led UAT testing for the Client Presentation tool and supported its seamless migration to the production environment.
- Compiled in-depth investment research reports on U.S. equities using Bloomberg, Morning Star and Thomson Reuters, incorporating market consensus, industry analysis, ratio evaluation, and peer benchmarking.
- Authored forward-looking commentaries based on insights from leading brokerage firms. Delivered comprehensive portfolio comparison notes and designed customized fund blends tailored to client profiles.
- Developed asset allocation strategies and wealth planning proposals to support new client acquisition and enhance investment decision-making.

Team Member

Bank of America • Check Fraud Detection • 2007– 2009

- Analyzed and authorized check payments to mitigate the bank's exposure to financial risks and fraudulent activities.
- Identified and addressed potential threats including forgery, check kiting, and counterfeit checks. Implemented robust control measures to detect and prevent money laundering in compliance with regulatory standards.
- Ensured adherence to internal risk policies while maintaining operational accuracy and transaction integrity.

EDUCATION & CREDENTIALS

2024 - Tricentis Tosca : Automation Specialist Level 1 & Automation Specialist Level 2.

2011- MBA-Finance -Symbiosis Centre for Distance Learning, Pune.

2002 - B.Com - Guru Nanak Dev University – Amritsar, Punjab.